BRUHAT BANGALORE MHANAGARA PALIKE

Detailed Estimate for : Providing Chain Link Fencing and Development of Parks in Government open Lands in Ward No. 11 (Kuvempungara), Vidyaranyapura Sub Division.

Estimated cost Rs.50.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	KSRB 2-2.1 : Earthwork in surface excavation in oridinary soil for leveling and lowering he ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 (P-5, I-2.1 PWDSR 14-15)	Cum							
a)	**Ordinary Soil**								
	Levelling ground		1	70.00	60.00	0.50	2100.00		
	Levelling ground		1	30.00	60.00	0.36	648.00		
							2748.00	146.88	**403626.00**
	Basic Rate	136.00							
	Area Weightage @ 8%	10.88							
	Total	146.88							
b)	**. - do- in hard soil** ordinary soil.	Cum							
	Ward office		1	28.00	30.00	0.50	420.00		
	srinidhi Layout park		1	30.00	6.00	0.40	72.00		89452.96
	Backside of ward office		1	14.35	3.75	0.30	16.14		
							508.14	206.28	**104820.00**
	Basic Rate	191.00	163						
	Area Weightage @ 8%	15.28	13.04					176.04	
	Total	206.28	176.04						
2	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conditions either in pits or in trenches 1.5m and above in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the escavated soil clean from edges of excavation with lead upto 50m after breaking of complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4) PWD SR 2014-15 ordinary soil.	Cum							
	Ramachandrapura park - fixing of poles		240	0.60	0.60	0.60	51.84		
	Ward office		30	0.60	0.60	0.60	6.48		
	Ward office		1	10.10	0.90	0.75	6.82		
			1	16.20	0.90	0.75	10.94		
	Backside of ward office		1	4.25	0.90	0.90	3.44		
			1	2.50	0.90	0.90	2.03		
	srinidhi Layout park		1	33.90	0.90	0.75	22.88		
	SWD side		1	37.90	0.90	0.90	30.70		
			1	9.00	0.90	0.75	6.08		
			1	2.00	0.90	0.75	1.35		
			50	0.60	0.60	0.60	10.80		
			25	0.60	0.60	0.60	5.40		
							158.75	264.60	**42004.00**

176.04 27946.35

No	Description of Work	No	L	B	D	Qty	Rate	Unit	Amount
	Basic rate	245.00	168						
	Area Weightage @ 8%	19.60	13.04						
	Total	264.60	176.04						
3	Providing and laying in positionp lain cement concrete of Mix 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3 PWD S.R. 14-15)	Cum							
	Ramachandrapura park - fixing of poles		240	0.60	0.60	0.15	12.96		
	Ward office		30	0.60	0.60	0.15	1.62		
	Ward office		1	10.10	0.90	0.15	1.36		
			1	16.20	0.90	0.15	2.19		
	Backside of ward office		1	4.25	0.90	0.15	0.57		
			1	2.50	0.90	0.15	0.34		
	srinidhi Layout park		1	33.90	0.90	0.15	4.58		
	SWD side		1	37.90	0.90	0.15	5.12		
			1	9.00	0.90	0.15	1.22		
			1	2.00	0.90	0.15	0.27		
	Ward office flooring		1	14.35	3.40	0.15	7.32		
	at school		50	0.60	0.60	0.15	2.70		
			20	0.60	0.60	0.15	1.08		
			5	0.60	0.60	0.15	0.27		
							41.59	4847.04	**201580.00**
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	4847.04							
4	Providing and constructing granite / trap / baalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications (P. 23 I.No. 5.6) PWD SR 2014-15	Cum							
	Ward office		1	10.10	0.75	0.75	5.68		
			1	16.20	0.75	0.75	9.11		
	Backside of ward office		1	4.25	0.75	0.75	2.39		
			1	2.50	0.75	0.75	1.41		
	srinidhi Layout park		1	33.90	0.75	0.60	15.26		
	SWD side		1	37.90	0.75	0.75	21.32		
			1	9.00	0.75	0.60	4.05		
			1	2.00	0.75	0.60	0.90		
						Total	**60.11**	3836.16	**230608.00**
	Basic Rate	3552.00							
	Area Weightage @8%	284.16							
	Total	3836.16							

No	Description of Work	No	L	B	D	Qty	Rate	Unit	Amount
5	Providing and constructing granite / trap / baalt size stone masonry in basement with cement cement mortar 1:6, edges of stones dhistele dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complet (P. 23 I. No. 5.9) PWD SR 2014-15	Cum							
	srinidhi Layout park		1	10.10	0.45	0.40	1.82		
			1	30.90	0.45	0.40	5.56		
	SWD side 1st course		1	37.90	0.60	0.40	9.10		
	SWD side 2nd course		1	37.90	0.45	0.40	6.82		
			1	2.00	0.45	0.40	0.36		
	ward office 1st course		1	10.10	0.60	0.50	3.03		
	ward office 2nd course		1	10.10	0.45	0.42	1.91		
	ward office 1st course		1	16.20	0.60	0.20	1.94		
	ward office 2nd course		1	16.20	0.45	0.35	2.55		
	ward office back side		1	4.25	0.60	0.40	1.02		
	ward office 2nd course		1	4.25	0.45	1.70	3.25		
			1	2.50	0.60	0.40	0.60		
	ward office 2nd course		1	2.50	0.45	1.75	1.97		
						Total	**39.93**	4542.48	**181392.00**
	Basic Rate	4206.00							
	Area Weightage @8%	336.48							
	Total	4542.48							
6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P. 109, I. No. 15.3) PWD SR 2014-15	Cum							
	srinidhi Layout park		2	10.10		0.40	8.08		
			2	30.90		0.40	24.72		
	SWD side		2	37.90		0.80	60.64		
			2	2.00		0.40	1.60		
	ward office		2	10.10		0.90	18.18		
	ward office		2	16.20		0.75	24.30		
	ward office back side		2	4.25		2.10	17.85		
			2	2.50		2.15	10.75		
							166.12	89.64	**14891.00**
	Basic Rate	83.00							
	Area weightage @ 8%	6.64							
	Total	89.64							

No	Description of Work	No	L	B	D	Qty	Rate	Unit	Amount
7	Providing and laying in positionp lain cement concrete of Mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.6) PWD SR 2014-15	Cum							
	fixing rectangular poles Ramachandrapura park		240	0.45	0.45	0.45	21.87		
	Ward Office		30	0.45	0.45	0.45	2.73		
			15	0.45	0.45	0.45	1.37		
	srinidhi Layout park		43	0.45	0.45	0.45	3.92		
	coping Srinidhi layout		1	10.10	0.45	0.10	1.01		
			1	30.90	0.45	0.10	3.09		
	SWD side		1	37.90	0.45	0.10	3.79		
			1	2.00	0.45	0.10	0.20		
	ward office		1	10.10	0.45	0.10	1.01		
	ward office		1	16.20	0.45	0.10	1.62		
	ward office back side		1	4.25	0.45	0.10	0.43		
			1	2.50	0.45	0.10	0.25		
	at school		50	0.45	0.45	0.45	10.13		
			20	0.45	0.45	0.45	4.05		
			5	0.45	0.45	0.45	1.01		
							56.47	5327.64	**300860.00**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	5327.64							
8	Supply and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 Nos 16mm dia M.S. hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffoldign wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of ht eEngineerin in charge of he work and including providing 2 coats of approved uqality paint over one coat of shop painting (excluding cost of earthwork and concrete) P. N 252 I.No.37.2 PWD SR 2014-15	M							
	Ramachandrapura park		240			2.90	696.00		
	WARD office		30			2.90	87.00		
			15			2.90	43.50		
	srinidhi Layout park		43			2.90	124.70		
	at school		50			2.90	145.00		
			20			2.90	58.00		
			5			2.90	14.50		
							1168.70	1114.56	**1302586.00**
	Basic Rate	1032.00							
	Area weightage @ 8%	82.56							
	Total	1114.56							

No	Description of work	No	L	B	D	qty	Rate	Unit	Amount
9	Providing and fixing M.S. block pipe of 38 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. blok pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer in charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (Item No.37.4 Page No.252) PWD SR 2014-15	M							
	Ramachandrapura park Road side		3	83.00			249.00		
	at transformer		3	2.00			6.00		
			3	5.25			15.75		
	Entrace gate left side		3	36.80			110.40		
	at SWD		3	4.35			13.05		
			3	66.90			200.70		
			3	56.90			170.70		
			3	26.20			78.60		
			3	32.30			96.90		
			3	38.00			114.00		
			3	54.60			163.80		
			3	10.00			30.00		
	Ward office		3	10.10			30.30		
			3	16.20			48.60		
			3	29.20			87.60		
			3	28.00			84.00		
	srinidhi Layout park		3	10.00			30.00		
			3	27.90			83.70		
			3	37.90			113.70		
	at school		3	50.00			150.00		
			3	20.00			60.00		
			3	5.00			15.00		
							1951.80	322.92	**630275.00**
	Basic Rate	299.00							
	Area weightage @ 8%	23.92							
	Total	322.92							
10	Providing chain link fencing 50mm sie of 8 guage propely stretched between rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, colour, lead and lifta and as per the directions of the Egineer -in-charge two coats of approved quality paint over one coat of shop paint (Page No.252, I. No. 37.3) PWD SR 2014-15	Sqm							
	Ramachandrapura park Road side		1	83.00		2.10	174.30		
	at transformer		1	2.00		2.10	4.20		
			1	5.25		2.10	11.03		
	Entrace gate left side		1	36.80		2.10	77.28		
	at SWD		1	4.35		2.10	9.14		
			1	66.90		2.10	140.49		
			1	56.90		2.10	119.49		
			1	26.20		2.10	55.02		
			1	32.30		2.10	67.83		
			1	38.00		2.10	79.80		

No	Description of work	No	L	B	D	qty	Rate	Unit	Amount
			1	54.60		2.10	114.66		
			1	10.00		2.10	21.00		
	Ward office		1	10.10		2.10	21.21		
			1	16.20		2.10	34.02		
			1	29.20		2.10	61.32		
			1	28.00		2.10	58.80		
	srinidhi Layout park		1	10.00		2.10	21.00		
			1	27.90		2.10	58.59		
			1	37.90		2.10	79.59		
	at school		1	50.00		2.10	105.00		
			1	20.00		2.10	42.00		
			1	5.00		2.10	10.50		
							1366.26	682.56	**932554.00**
	Basic Rate	632.00							
	Area weightage @ 8%	50.56							
	Total	682.56							
11	M.S. Gate : Fabricating, supplying and erecting to plumb and line, two leaves M.S. gate as per approved design and drawing using 40x40x12 guage M.S. Square tube for outer frame 20 x 20 x 12 guage MS square tube for innter frame and 10mm square rods for verticals, 20 x 6 mm MS flats for rings of 80 mm diameter and 120x60mm approved CI floral blocks, fabricating inclusive of bending and welding of square tubes to desired design, square rods,a nd floral blocks to achieve the pattern of the design as shown int eh approved drawin. Finishing with two coats of synthetic enamel painting of approved colour and make over a coat of red ready mis primer after applying metal paste patt, after grindign to even surface at the welded joints. The work include cost of all the required materials, labour for all itemsof work, including loading and unloading, all lead and lift etc., of raw materials fromshop to work shop and fabricated fate to site of work and erection and fixing in position by welding with heavy MS hinges, neat MS tower bolts and lockign arrangements to finish as per the directions of the Engineer in charge of the work. Data rate Rs.4550/-	Cum							
	Gate Ward office		2	2.30		1.80	8.28		
	Ramachandrapura		2	2.50		1.80	9.00		
	srinidhi Layout park		1	3.00		1.80	5.40		
							22.68	4550.00	**103194.00**

No	Description of work	No	L	B	D	qty	Rate	Unit	Amount
12	Fabricating, supplying and erecting M.S.Tubular Trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest strucutral welding code. Quality shall be on various parameters like shape, size, design guage and polish. The entire trusses is anchored in RCC column byusing 4 Nos of M.S. anchor bolts at each support with 10mm thick base plate and ahoe plate. The work includes cutting, straighening, placing in position of M.S pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift transportation etc., complete as per specification. P.No.40 Item No.7.29) PWD SR 2014-15	Kgs							
	Purlin 60x33.5x4 mm rectanglar tube vertical		10	1.70	5.81	kg/mtr	98.77		
	Back side purlin 60x33.5x4mm rectanglar truss		8	3.00	5.81	kg/mtr	139.44		
	50x25x4 mmrectangular tube purline		4	14.35	4.37	kg/mtr	250.84		
	back side 50 x 25x4mm rectangular tube		2	4.88	4.37	kg/mtr	42.65		
							531.70	145.80	**77522.00**
	Basic Rate	135.00							
	Area weightage @ 8%	10.80							
	Total	145.80							
13	Providing and installing of pre painted Galvolume iron Trapezoidal Profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.46 mm +/- 0.02 mm tolerance Zinc - Alu Alloy coating Az150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of hte sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25mm length, to be fixed over the existing purlins, rafters, channels and trusses, P. No. 306 I. No.38.30 PWD SR 2014-15	Sqm							
				AV					
	ward office back side		1	14.35	3.40		48.79		
							48.79	831.60	**40574.00**
	Basic Rate	770.00							
	Area weightage @ 8%	61.60							
	Total	831.60							
14	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works	Nos							
							2.00	4800.00	9600.00
15	Lead for Disposal of Debris/earth shall be payable at garage rates by Mechanical means including loading and unloading from 14Kms to 15Kms (P.No.124.I.No.Conveying)	Cum							
	Qty item no. 1 & 2								
	Qty ristricted to 3518		**Qty Vide Item No. 1+2**				**3414.89**	109.30	**373234.00**

No	Description of work	No	L	B	D	qty	Rate	Unit	Amount
	Loading and unloading I.No.17.1	62.20							
	for Haulage(surface road Rs. 2.0 T/Km)								
	density of debris 1.30 t/cum)								
	for 15kms =15x2x1.30	39.00							
		101.20							
	Area Weightage @ 8%	8.10							
	Total	109.30							
									4821251.31
									4949320.00
	Add 1% 3rd party Q.C. inspection charges								48212.5 49493.00
	Miscellaneous								1187.00
GRAND TOTAL Rs.									5000000.00

Certificate

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2014-15.
3. This provisions were made in this estimate are necessary and adequate.
4. This work cormes under B.B.M.P limits.

Asst. Engineer

Asst. Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97.

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92.

Technical Sanction for Rs. 50.00L
Fifty lakhs only
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